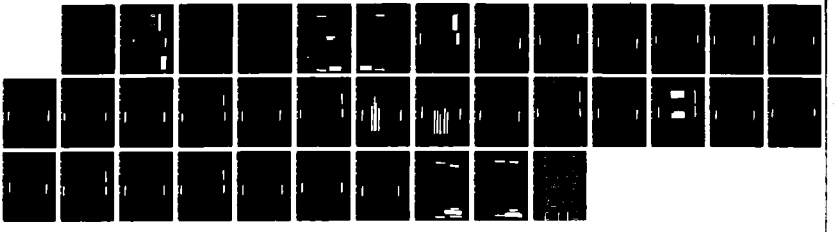
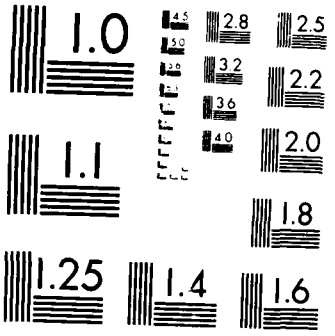
AD-A196 883 INTEGRATED NUCLEAR CONSIDERATIONS BRIEFING - OVERVIEW 1/1
OF NUCLEAR PLANNING (U) JAYCOR ALEXANDRIA VA
H H SMILEY ET AL 04 DEC 80 DNA-5560F-SAN
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MICROCOPY RESOLUTION TEST CHART
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AD-A196 803

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INTEGRATED NUCLEAR CONSIDERATIONS: BRIEFING - OVERVIEW OF NUCLEAR PLANNING AND EXECUTION IN EUROPEAN CENTRAL BATTLE [redacted]

JAYCOR
205 South Whiting Street, Suite 500
Alexandria, Virginia 22304

DTIC FILE COPY

4 December 1980

Final Report for Period 1 April 1980–19 May 1930

CONTRACT No. DNA 001-80-C-0243

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Washington, D. C. 20305

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AD-A196 803

REPORT DOCUMENTATION PAGE

[illegible] NUCLEAR EMPLOYMENT/TARGETING BRIEFING - MINISTRY OF NUCLEAR PLANNING AND EXECUTION [illegible] OFFICE [illegible]

Ronald R. Bailey
Gilbert G. Theriaux

DNA 001- 86-C-0133

[illegible]
400 South Whiting Street, Suite 500
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Subtask [illegible]

Director
Defense Nuclear Agency
Washington, D.C. 20305

4 December 19[illegible]

32

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This work sponsored by the Defense Nuclear Agency under RDT&E RMSS Code [illegible] 3910AXNL[illegible] H2590D.

Nuclear Planning
Selective Employment Planning
[illegible] Selection
Targeting

This briefing demonstrates the general thought processes of a nuclear [illegible]er in Europe, both in the planning and execution phases of applying nuclear weapons against first echelon regiments of a threat division in the breakthrough posture.

DD [illegible], 1473 EDITION OF [illegible] IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE [illegible]

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OVERVIEW OF NUCLEAR PLANNING AND EXECUTION IN EUROPEAN CENTRAL BATTLE

Accession For
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Unannounced ☐
Justification
By
Distribution/
Availability Codes
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PURPOSE: DEMONSTRATE THE GENERAL THOUGHT PROCESS OF A NUCLEAR PLANNER IN EUROPE, BOTH IN THE PLANNING AND EXECUTION PHASES OF APPLYING NUCLEAR WEAPONS AGAINST FIRST ECHELON REGIMENTS OF A W.P. DIVISION IN THE BREAKTHROUGH POSTURE.

[redacted]

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PURPOSE

ILLUSTRATE NUCLEAR PLANNERS' THOUGHT PROCESS IN:

- PLANNING PHASE,
- EXECUTION PHASE,

OF ATTACK OF WP FIRST ECHELON REGIMENTS OF BREAKTHROUGH DIVISION.

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MACRO TERRAIN ANALYSIS

IN CONCERT,
- G2;
- G3; AND
- NUCLEAR PLANNER

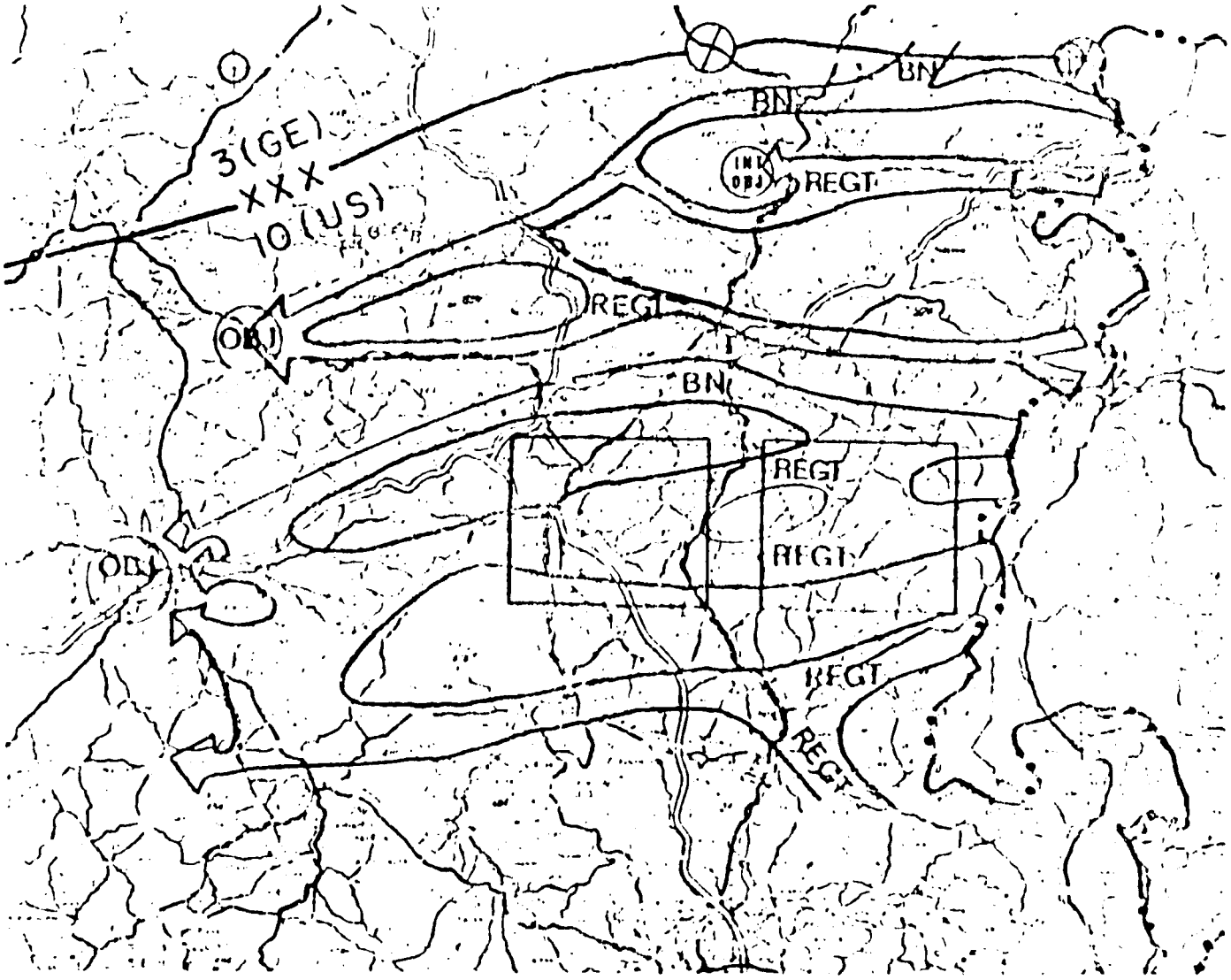
IDENTIFY ON MAP,

- NATURAL AND MAN MADE OBSTACLES;
- PROBABLE ENEMY OBJECTIVES; AND
- RESULTING AVENUES OF APPROACH (TO INCLUDE SIZE UNIT ACCOMMODATED).

LEFTMOST RECTANGULAR BOX LIES ABREAST AN AVENUE CAPABLE OF ACCOMMODATING 2 W.P. REGIMENTS.

[redacted]

MACRO TERRAIN ANALYSIS

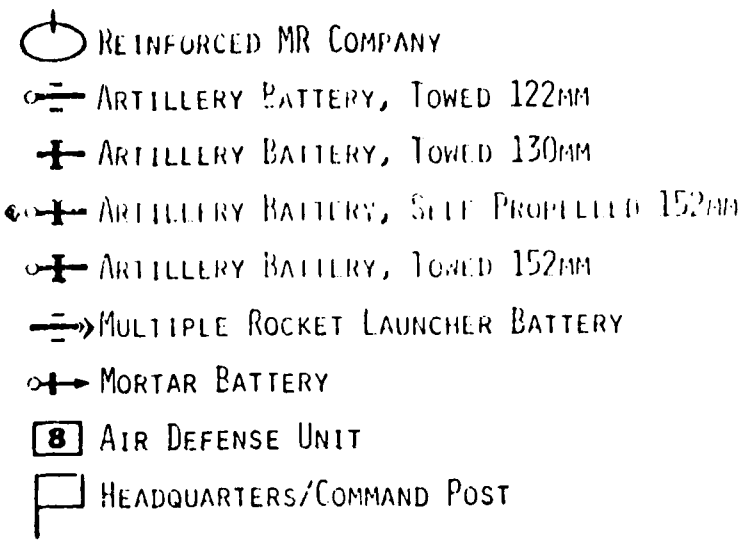


[redacted]

NOTIONAL THREAT DEPLOYMENT

MR DIVISION 1ST ECHELON REGIMENTS:

- CONTAIN NEARLY 60 COMPANY/BATTERY SIZE UNITS DEPLOYED IN
  - WIDTH AND
  - DEPTH
- AVERAGE 1 TARGET PER SQUARE KILOMETER

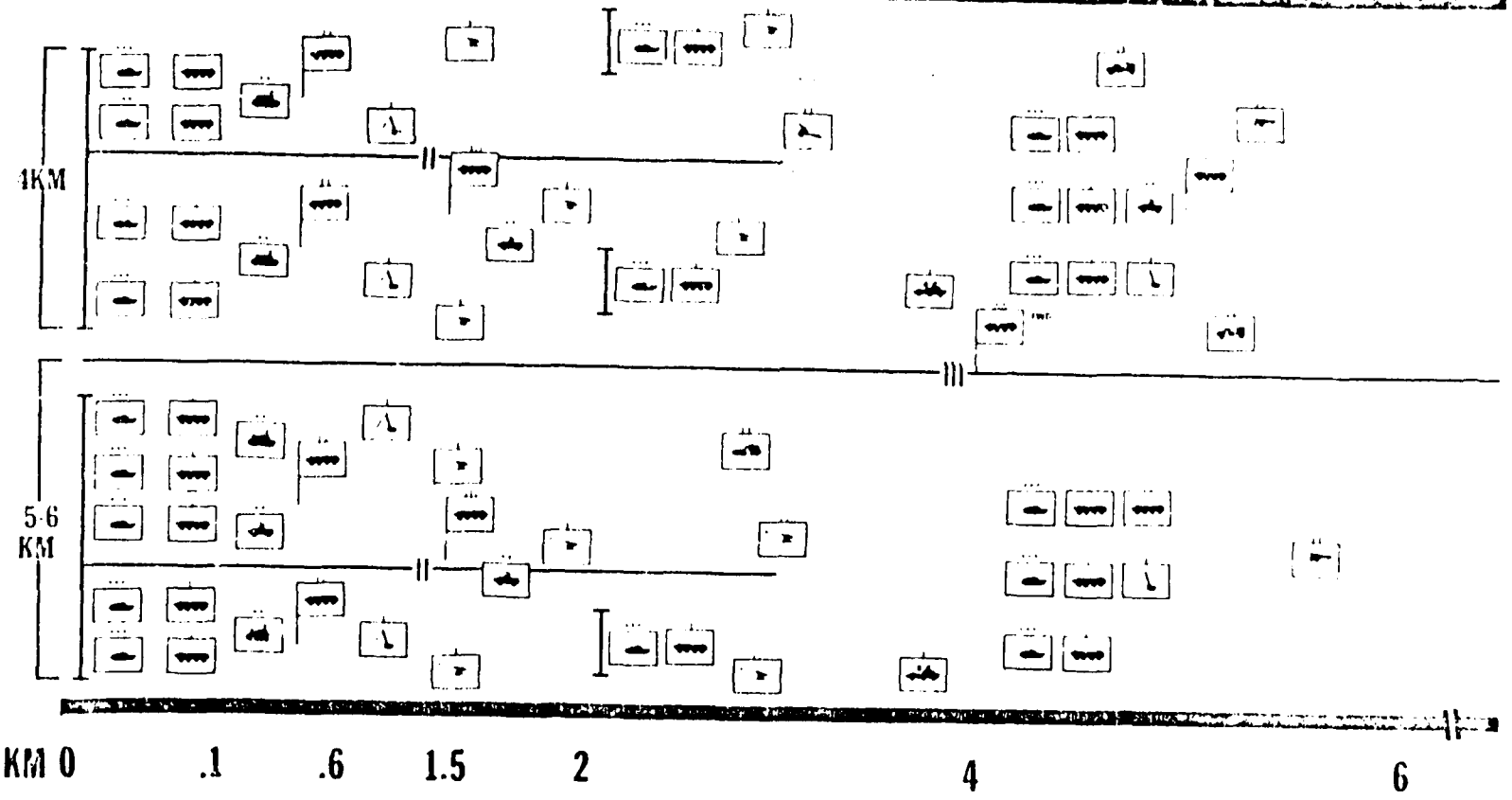


[redacted]

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NOTIONAL THREAT DEPLOYMENT

(MRD 1ST ECHELON REGTs)



[redacted]

[redacted]

AREA OF OPERATIONS

COMMANDER/STAFF:

- POSTULATE PACT FORCED NATO UNITS TO LEAVE DEFENSIVE POSITIONS AT HANNE AND REGROUP AT FULDA RIVER.
- RECOGNIZE THAT IF PACT ESTABLISHES BRIDGEHEAD ACROSS FULDA, NUCLEAR WEAPONS MUST BE USED TO MAINTAIN DEFENSE.

[redacted]

[redacted]

AREA OF OPERATIONS



[redacted]

[redacted]

SAFETY

ESTABLISH SAFETY CRITERIA.

- NEGLIGIBLE RISK TO UNWARNED EXPOSED PERSONNEL.

DRAW LINES ON MAP.

- DGZs OF WEAPONS CANNOT BE LOCATED ON FRIENDLY SIDE OF RESPECTIVE SAFETY LINE.

[redacted]

[redacted]

SAFETY

DNA
(b)(3)

[redacted]

POSTULATED ENEMY DISPOSITION

ARRAY THREAT ELEMENTS ON MAP BASED ON:

- TERRAIN AND
- ENEMY DOCTRINE.

NOTE LOCALIZED DENSITY.

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POSTULATED TARGET ARRAY

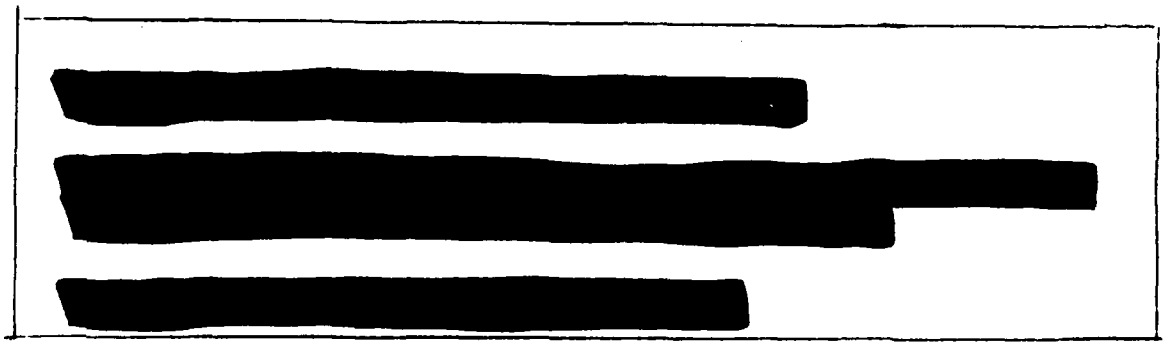
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(b)(3)

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ENGAGEMENT CRITERIA



DNA
(-6X1)

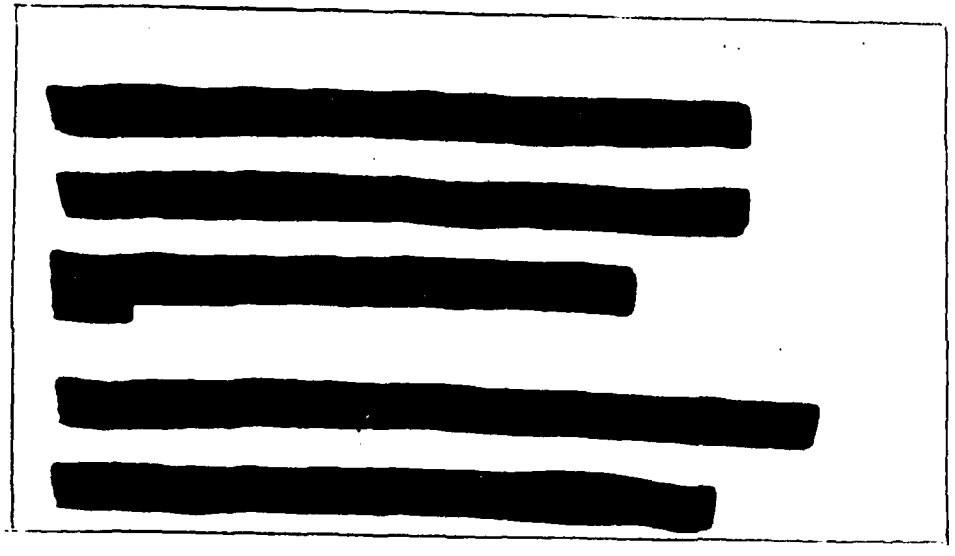
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ENGAGEMENT CRITERIA

(PERSONNEL)



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(L)(1)

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WEAPONS APPLICATION

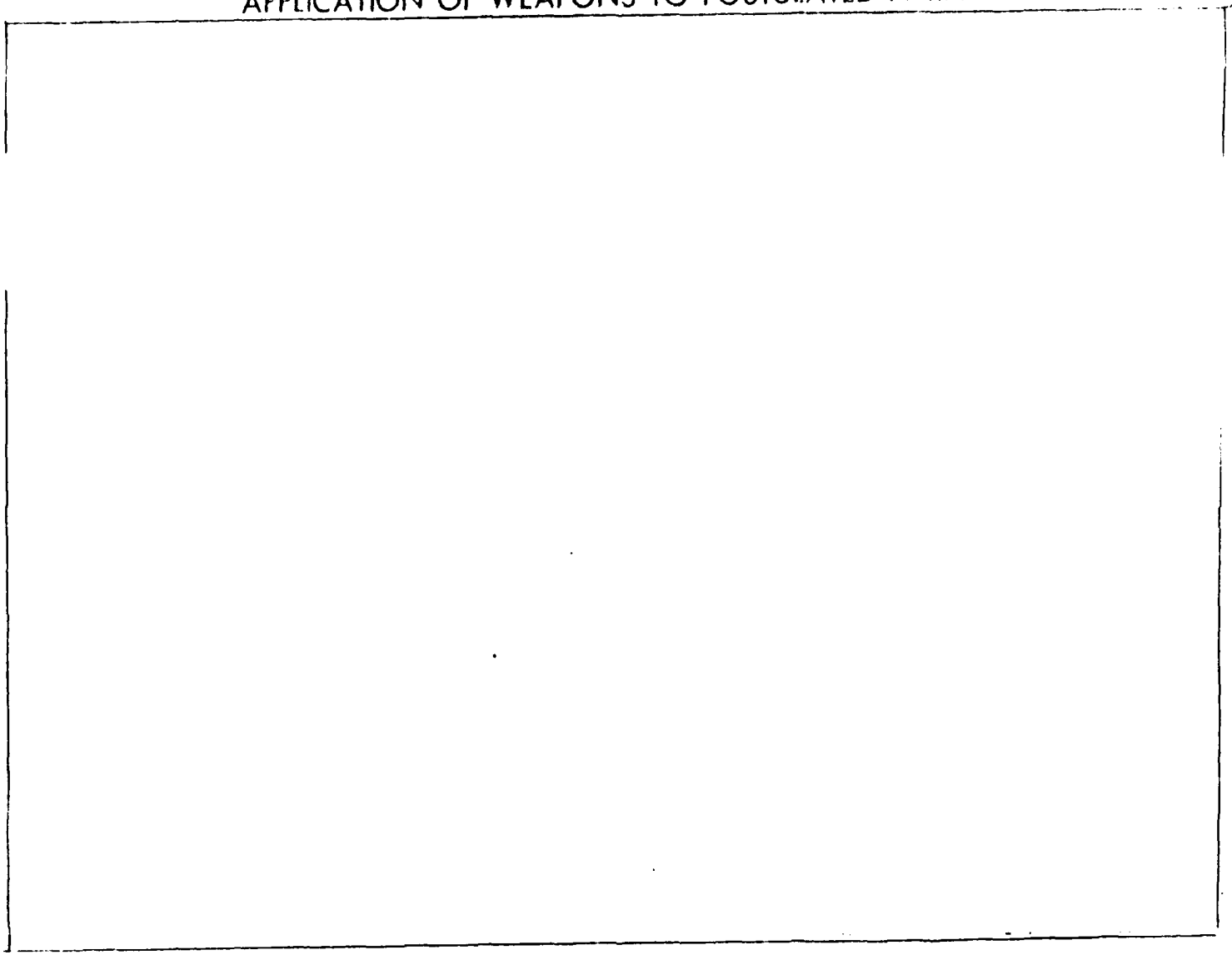
- LOCALIZED DENSITY OF PACT UNITS ALLOWS DEFEAT OF 27 TARGETS WITH 8 WEAPONS.
- COULD ALSO INCLUDE LANCE WEAPONS FOR ATTACK OF FOLLOW-ON REGIMENT(S).
- SUB-OPTION OF OVERALL CORPS SELECTIVE EMPLOYMENT PLAN (SEP).

[redacted]

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APPLICATION OF WEAPONS TO POSTULATED ARRAY

DNA (4)(3)



[redacted]

[redacted]

[redacted]

REQUEST/RELEASE

LIST SUMMARIZES WEAPONS:

- PLANNED
- REQUESTED BY CORPS COMMANDER 24-36 HOURS IN ADVANCE OF SITUATION
- RELEASED FOR USE

[redacted]

[redacted]

WEAPONS REQUESTED/RELEASED

NR	SYSTEM	3000 R
1	[redacted]LANCE	[redacted]
1	[redacted]8—INCH	
2	[redacted]8—INCH	
1	[redacted]8—INCH	
3	[redacted]155MM	

DNA (4)(3)

[redacted]

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ACQUIRED TARGETS

MANY TARGETS CAN BE LOCATED DUE TO:

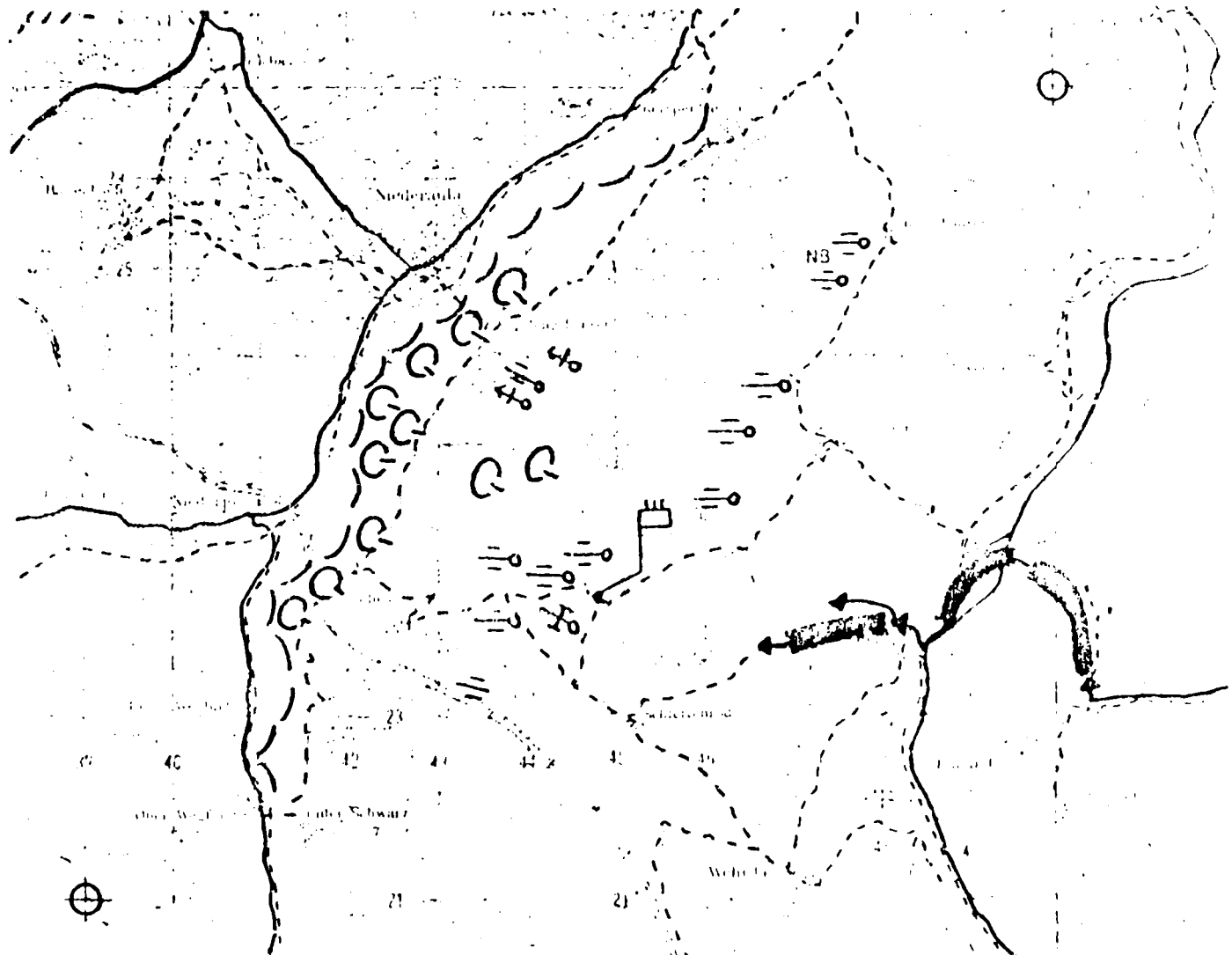
- KNOWLEDGE OF TERRAIN;
- KNOWLEDGE OF ENEMY; WHICH
- FOCUSES USE OF ACQUISITION MEANS.

INTRODUCTION OF SYSTEMS UNDER DEVELOPMENT SHOULD SIGNIFICANTLY INCREASE NUMBER OF ACQUIRED TARGETS.

[redacted]

[redacted]

ACTUAL ACQUIRED TARGETS



[redacted]

[redacted]

EXECUTION

BASED ON:

- COMMANDERS GUIDANCE;
- WEAPONS AVAILABLE;
- SUBSEQUENT SCHEME OF MANEUVER;
- ALLOCATION OF CONVENTIONAL ASSETS:
  - ARTILLERY;
  - TANK/ANTI-TANK;
  - AIR.

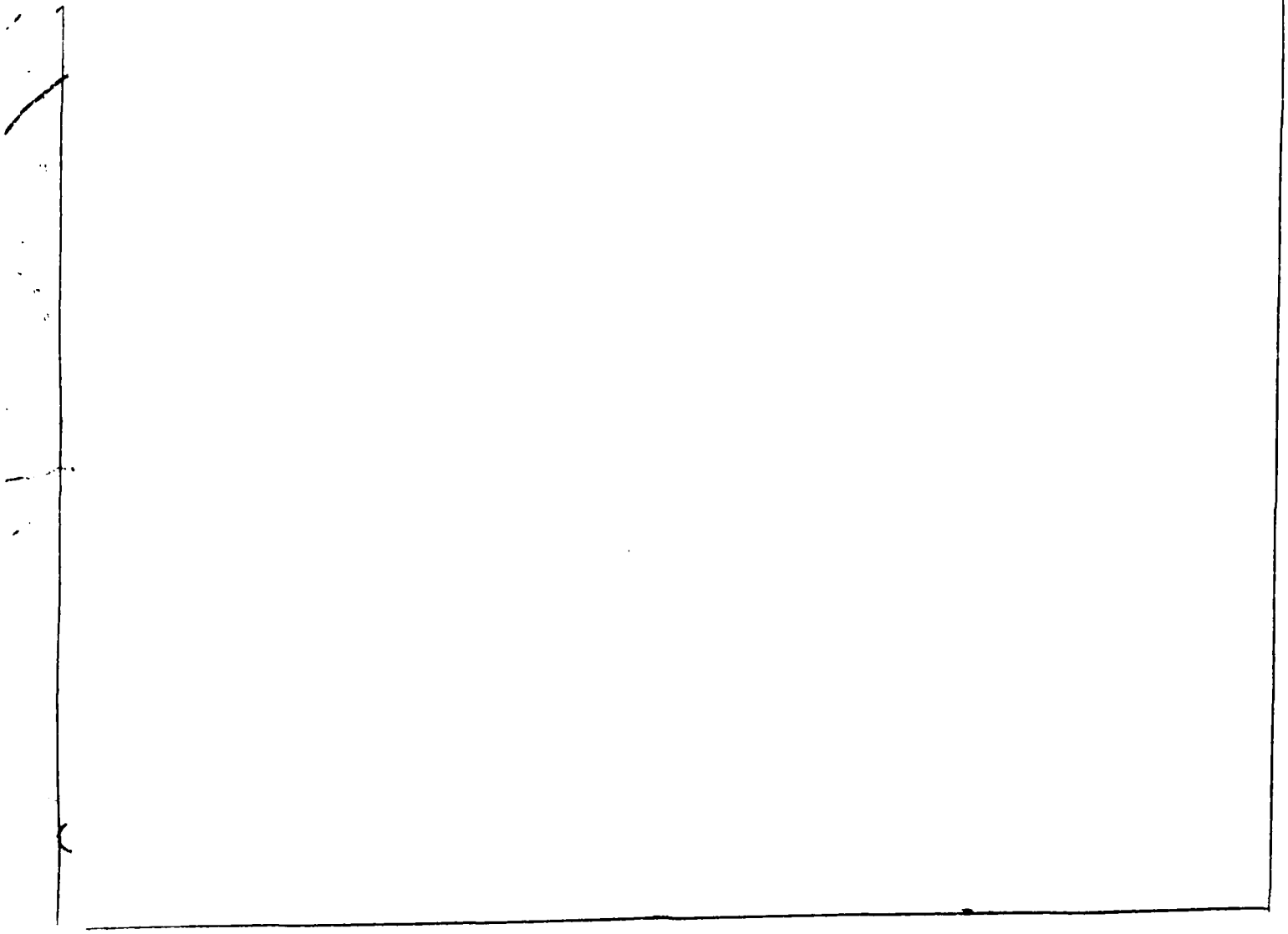
ANALYST TARGETS WEAPONS.

(TOWNS ARE CLEAR OF INDIGENOUS PERSONNEL.)

[redacted]

[redacted]

TARGETING ACTUAL ACQUIRED TARGETS



DNA (F)(3)

[redacted]

[redacted]

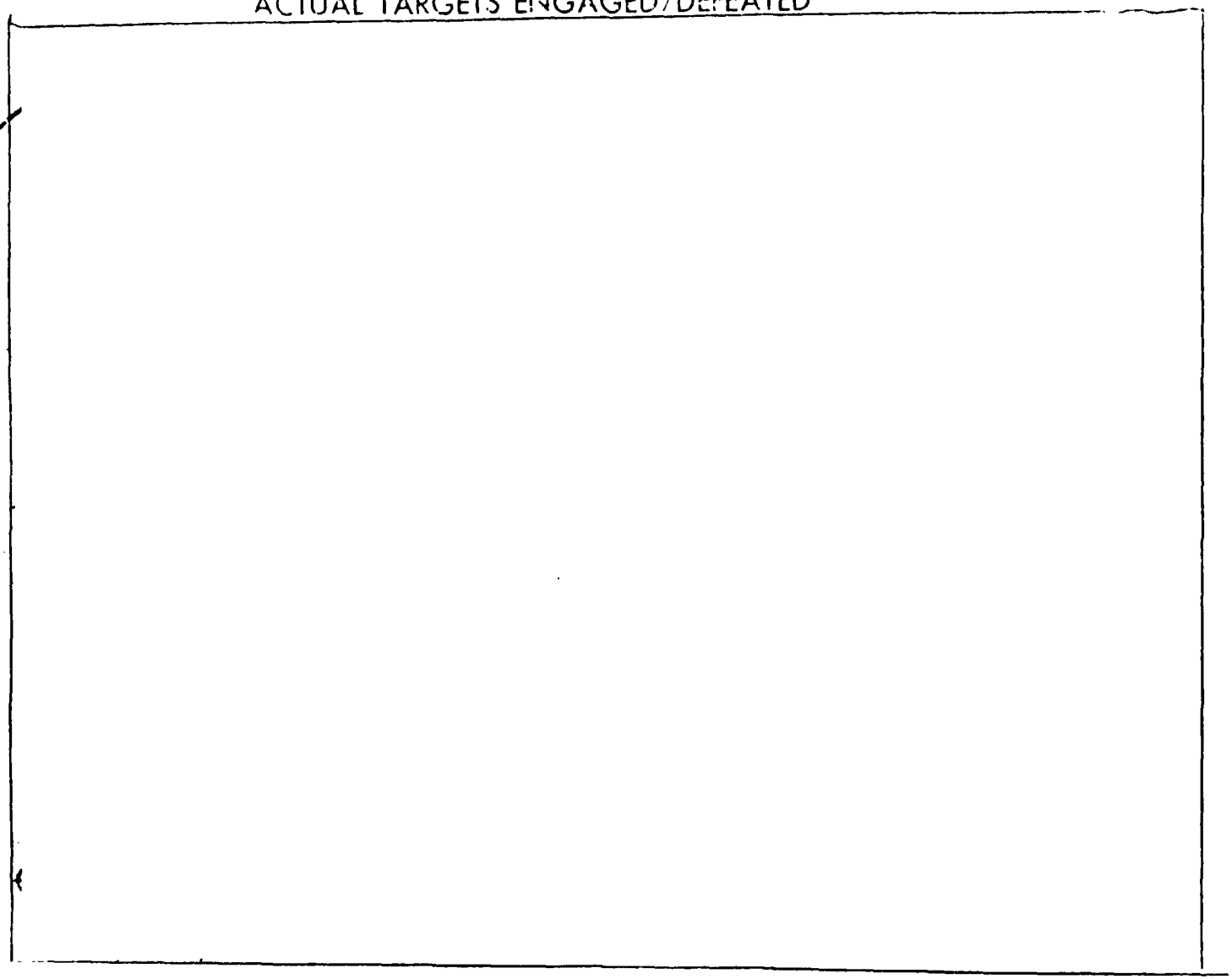
TARGETING RESULTS

TARGETED	DEFEATED
2 MR Co (Assy)	3 MR Co (Assy)
2 MR Co (Moving)	2 MR Co (Moving)
12 Arty Btrys	22 Arty Btrys
1 Mortar Btry	2 Mortar Btrys
1 HQ	2 HQ
18 Targets	31 Targets

[redacted]

[redacted]

ACTUAL TARGETS ENGAGED/DEFEATED



DNA [redacted] (4)(3)

[redacted]

[redacted]

[redacted]

[redacted]

SUMMARY

SUCCESSFUL OPERATION DEPENDS ON:

- KNOWLEDGE OF
  - TERRAIN,
  - ENEMY, AND
  - SELF

AND

- COORDINATION OF
  - CONVENTIONAL FIRES,
  - NUCLEAR FIRES, AND
  - SCHEME OF MANEUVER.

[redacted]

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SUMMARY

KNOWLEDGE OF:

- TERRAIN,
- ENEMY,
  - ORGANIZATION,
  - DOCTRINE,
  - TACTICS AND
- OWN CAPABILITIES

IS ESSENTIAL FOR A SUCCESSFUL OPERATION.

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